

TECHNICAL EXHIBIT
APPLICATION FOR FM CONSTRUCTION PERMIT AND
PETITION FOR RULE MAKING
NEW FM RADIO STATION
LARAMIE, WYOMING
CH 283C2 3.5 KW 408 M

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Technical Narrative

The technical exhibit of which this narrative is part was prepared in support of an application for a new FM radio station to be assigned to Laramie, Wyoming. This application is simultaneously filed with a *Petition for Rule Making* seeking the new FM allotment at Laramie.

Summary of Proposal

- Allocate Channel 283C2 at Laramie, Wyoming.

This is a hybrid type of filing, with this simultaneously filed herein Form 301 application and *Petition for Rule Making*.

The proposed Channel 283C2 at Laramie, Wyoming can be allocated at the below proposed allotment reference coordinates:

41° 27' 15" North Latitude
105° 29' 20" East Longitude

A map showing the proposed allotment site location is provided in Figure 1.

Figure 4 is an allocation study for channel 283C2 at the proposed allotment site. The allotment site is fully-spaced to all stations of concern.

Proposed Transmitter Location

A sketch showing the proposed antenna and supporting structure is shown on Figure 2.

Interference Concerns

The 115 dBu predicted "blanketing" contour of the proposed station would extend radially less than 1 kilometer from the transmitting site. No interference is expected. However, the applicant recognizes its responsibility to resolve complaints of interference, including blanketing and receiver-induced interference as required by Sections 73.315(b), 73.316(e) and 73.318.

Coverage Contours

The predicted coverage contours for the proposed operation were calculated in accordance with the provisions of Section 73.313. In accordance with current FCC practice, the distances to the contours were calculated without consideration given to terrain roughness correction factors.

The average terrain elevations from 3 to 16 kilometers along eight radials evenly spaced at 45-degree intervals were obtained from a N.G.D.C. 30-second terrain database. The terrain elevations were then used in combination with the effective radiated power for determining the distances to coverage contours.

Figure 3 is a map showing the predicted coverage contours. As the map illustrates, the FCC predicted 70 dBu contour entirely encompasses the principal community of Laramie, Wyoming.

Allocation Study

Figure 5 is an allocation study for channel 283C2 at the proposed site. Section 73.215 processing is requested toward the short-spaced stations.

Radiofrequency Electromagnetic Field Exposure Analysis

Upon authorization and construction of the herein facility, the applicant will undertake a ground level radiofrequency electromagnetic survey of the transmitter site to ensure the new radio station does not create

unrestricted access to radiofrequency electromagnetic field exposures in excess of the Commission's standards.

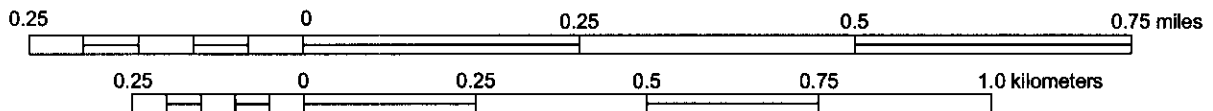
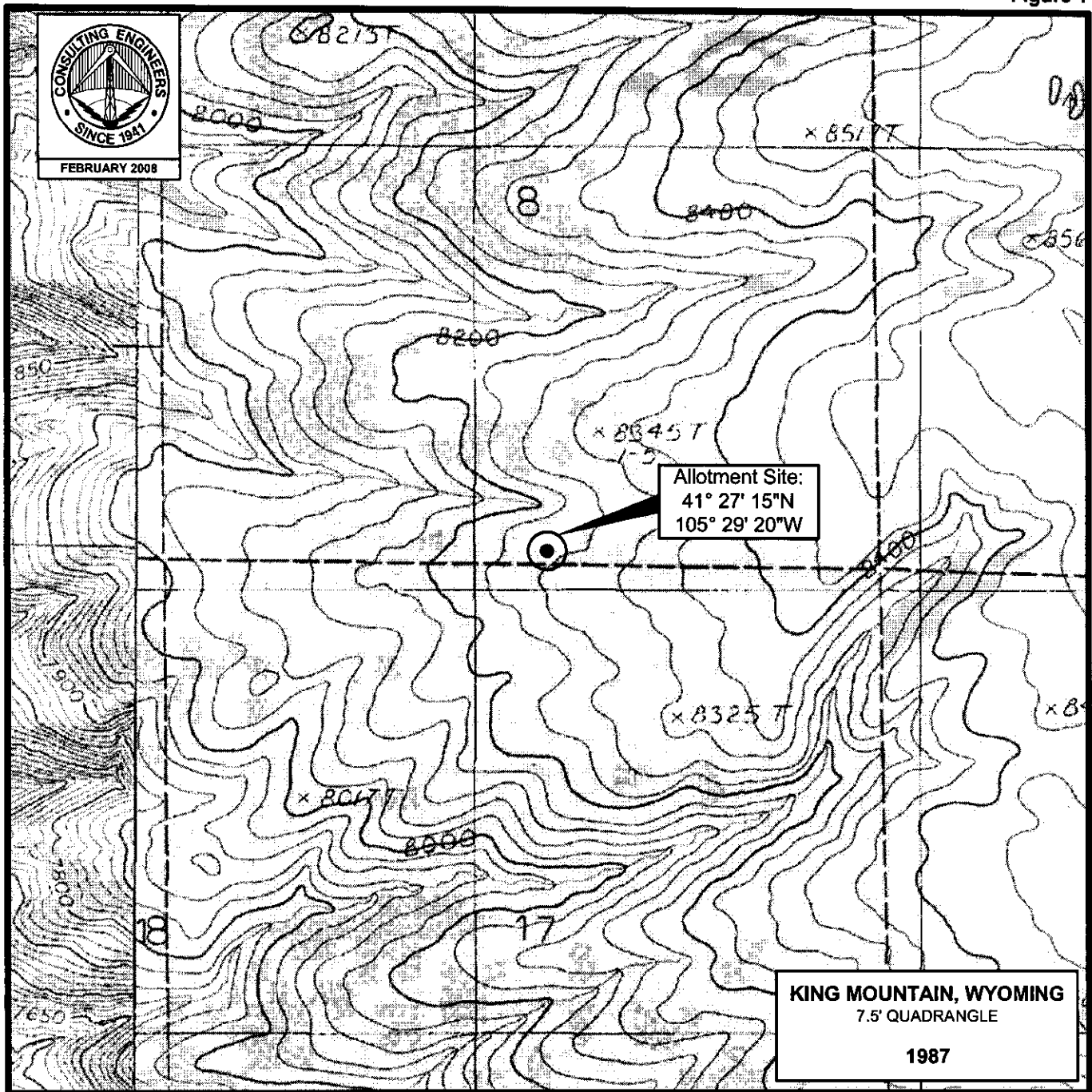
It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. The tower owner, as part of the tower registration process, will provide all other aspects of the environmental processing analysis to the FCC.

Charles A. Cooper

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 34237
941.329.6000

February 5, 2008

Figure 1

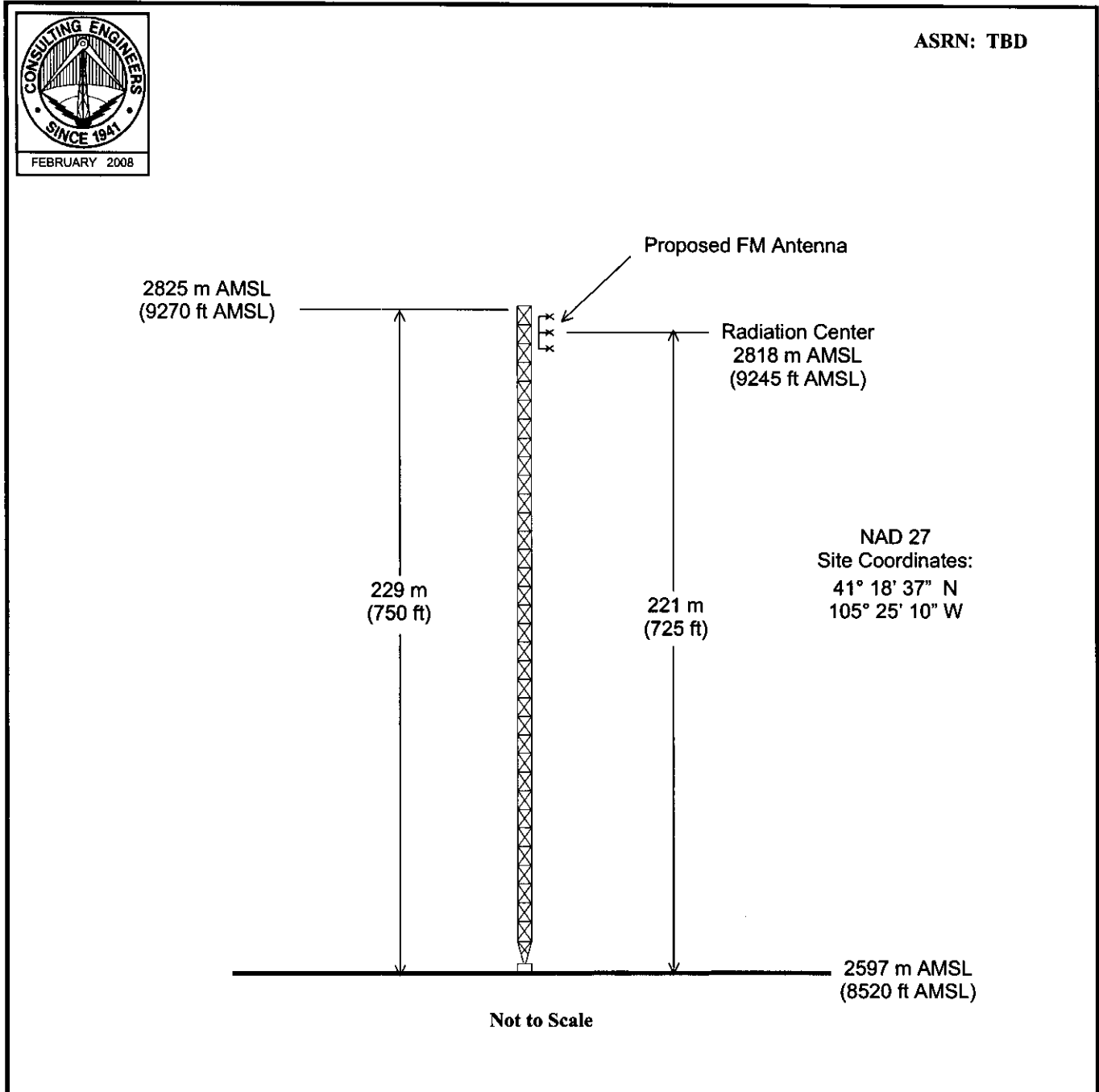


PROPOSED ALLOTMENT REFERENCE SITE

NEW FM RADIO STATION
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Figure 2



ANTENNA AND SUPPORTING STRUCTURE

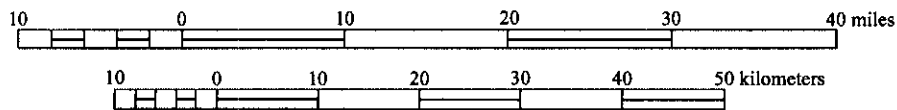
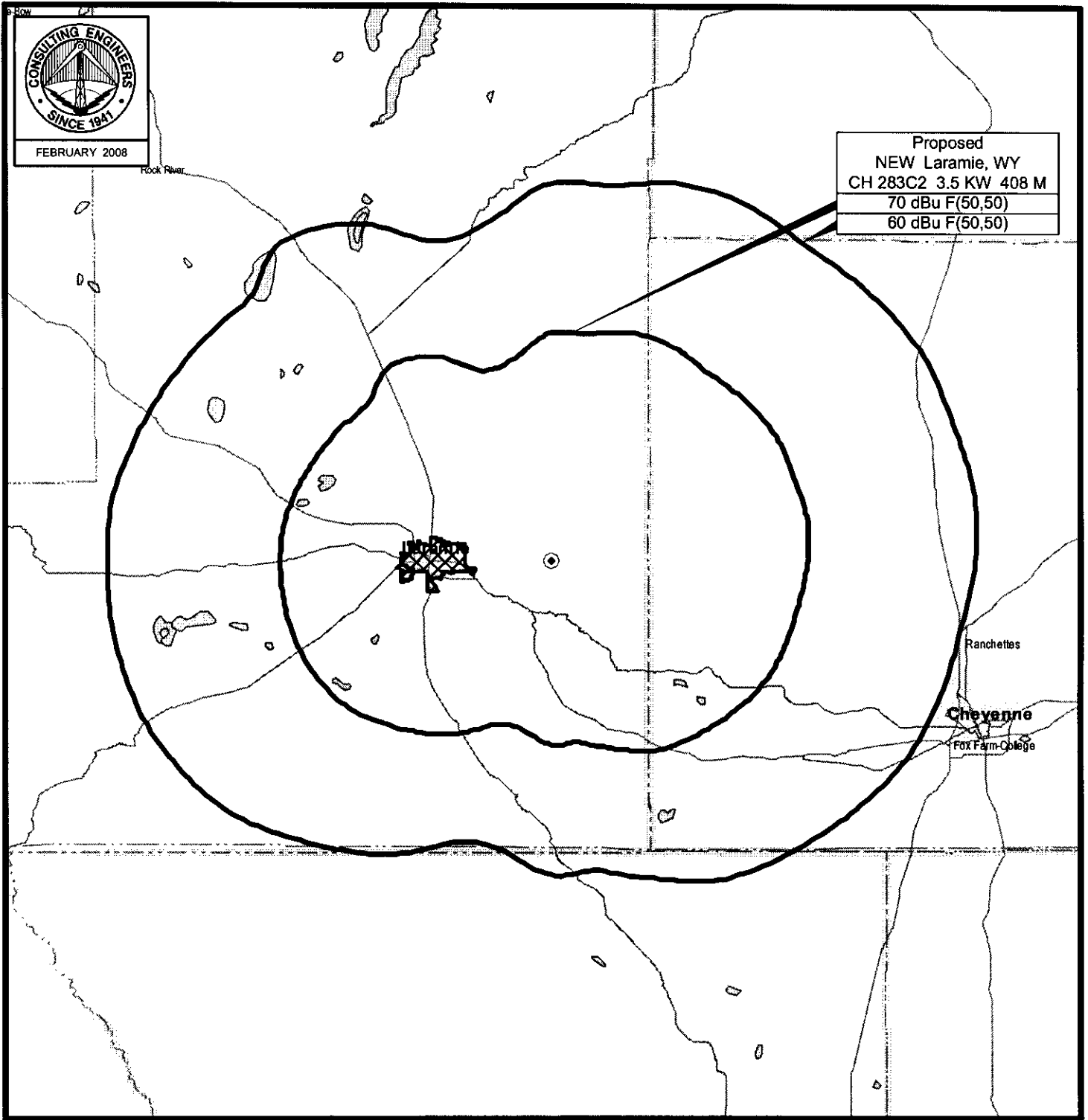
NEW FM RADIO STATION

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Figure 3



ALLOCATION STUDY

**NEW FM RADIO STATION
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Channel 283C2 Laramie, Wyoming Allocation Site
Allocation Study

41° 27' 15" North Latitude
105° 29' 20" East Longitude

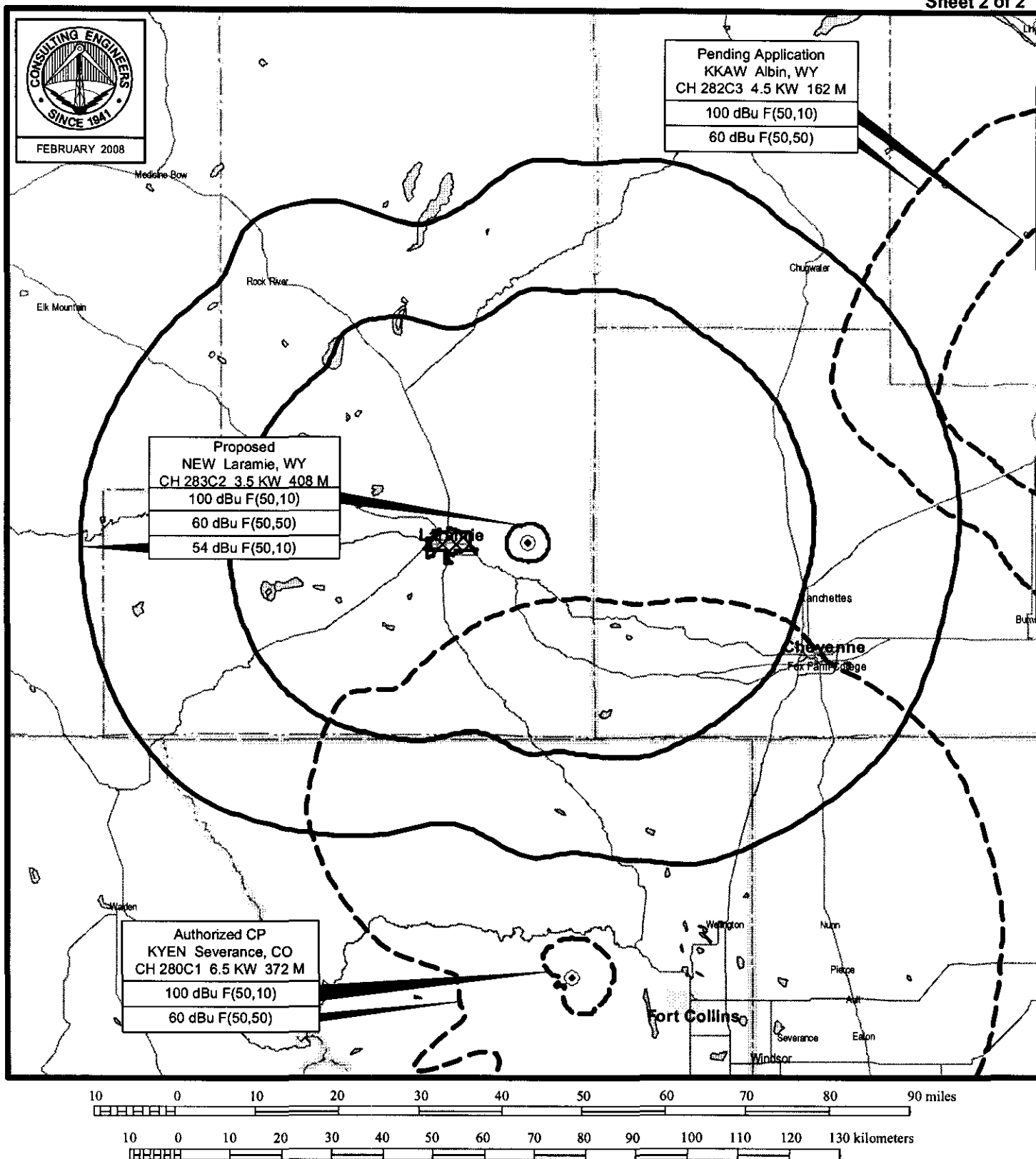
Call Id	City St	File Status Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req. (km)
KRQU 9761	LARAMIE WY CP C	BMPH 20071010ACG	230A 93.9	0.8 -26	N	41-20-20 105-35-31	Y	213.9	15.43	15.0
KYEN 164151	SEVERANCE CO APP C	BMPH 20071010ACF	280C1 103.9	16.5 372	N	40-37-03 105-19-40	Y	171.7	93.90	79.0
KKAW 83584	ALBIN WY APP C	BPH 20070208ABC	282C3 104.3	4.5 162	N	41-29-31 104-05-07	Y	87.5	117.32	117.0
KRQU 9761	LARAMIE WY LIC C	BLH 20020205AAO	283C2 104.5	8. 327	N	41-18-39 105-27-12	N	169.4	16.19	190.0
<i>(KRQU has been authorized to change channel to Channel 230A at Laramie, Wyoming. Therefore, no allocation issue).</i>										
0	LARAMIE WY ADD C	RM bg-103	283C2 104.5			41-23-00 105-41-48		245.6	19.07	190.0
<i>(Petition for Rule Making for this record has been returned.)</i>										
KRQU 9761	LARAMIE WY CP C	BPH 20070116ACK	283C2 104.5	50 150	N	41-06-32 105-26-12	N	173.5	38.59	190.0
<i>(KRQU has been authorized to change channel to Channel 230A at Laramie, Wyoming. Therefore, no allocation issue).</i>										
NEW 170963	FORT MORGAN CO APP C	BNPH 20070502AEZ	283C3 104.5	25 62.1	N	40-16-30 103-38-33	N	129.6	203.42	177.0
KTRS-FM 26301	CASPER WY LIC C	BLH 20060927ANT	284C1 104.7	18 554	N	42-44-37 106-18-24	N	335.1	158.40	158.0

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Channel 283C2 Laramie, Wyoming Proposed Transmitter Site
Allocation Study

41° 18' 37" North Latitude
105° 25' 10" East Longitude

Call Id	City St	File Status Num	Channel Freq	ERP HAAT	DA Id	Latitude Longitude	73 215	Bear	Dist. (km)	Req. (km)
KRQU	LARAMIE	BMPH	230A	0.8	N	41-20-20	Y	282.5	14.79	15.0
9761	WY APP C	20071010ACG	93.9	-26		105-35-31				
(Separation distance rounds to 15 kilometers. Therefore, no allocation issue.)										
	CHEYENNE	RM	280C2			41-08-17		110.3	54.87	58.0
	WY DEL C	bg-103	103.9			104-48-22				
(Petition for Rule Making for this record has been returned.)										
	AULT	RM	280C1			40-44-42		163.9	65.35	79.0
	CO ADD C	bg-103	103.9			105-12-13				
(Petition for Rule Making for this record has been returned.)										
KYEN	SEVERANCE	BMPH	280C1	16.5	N	40-37-03	Y	174.3	77.32	79.0
164151	CO APP C	20071010ACF	103.9	372		105-19-40				
(Section 73.215 processing requested towards KYEN(FM) at Severance.)										
KKAW	ALBIN	BPH	282C3	4.5	N	41-29-31	Y	79.3	113.38	117.0
83584	WY APP C	20070208ABC	104.3	162		104-05-07				
(Section 73.215 processing requested towards KKAW(FM) at Albin.)										
KJCD	LONGMONT	BLH	282C1	100	N	39-41-45	Y	173.1	180.56	158.0
71767	CO LIC C	19991214ABH	104.3	206	30454	105-09-54				
KRQU	LARAMIE	BLH	283C2	8	N	41-18-39	N	271.3	2.84	190.0
9761	WY LIC C	20020205AAO	104.5	327		105-27-12				
(KRQU has been authorized to change channel to Channel 230A at Laramie, Wyoming. Therefore, no allocation issue).										
	LARAMIE	RM	283C2			41-27-47		358.2	16.98	190.0
0	WY DEL C	bg-103	104.5			105-25-33				
(Petition for Rule Making for this record has been returned.)										
NEW	FORT MORGAN	BNPH	283C3	25.000	N	40-16-30	N	127.0	188.97	177.0
170963	CO APP C	20070502AEZ	104.5	62.1		103-38-33				



ALLOCATION STUDY

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